

Amendments to the Specification:

On page 14, line 14, cancel "and" and substitute "when" therefor so that the paragraph reads as follows:

Ion flight tube 65 may include the entire ion flight path within its boundaries or, alternatively, may merely constitute a portion of the overall ion flight path. For example, ~~and~~ when the ion flight tube 65 of Figure 3 includes substantially the entire ion flight path taken by the ions emitted from the ionizer/ion injector 60. Alternatively, an ion flight tube such as the one described here can be placed solely along a portion of an ion flight path such as the one shown in Figure 1. As such, the ion flight path used to measure the time-of-flight of the ions may be longer than or shorter than the path that the ions take through the ion flight tube 65. In each instance, however, a flight tube 65 constructed in the foregoing manner substantially increases the overall length of the ion flight path without requiring a corresponding increase in the length of the flight path components. The increase in the overall length of the ion flight path gives rise to an increase in the resolution of the mass analyzer thereby allowing for the design of a higher-quality instrument in a smaller dimensioned package.